

Mehdi Azimi, Ph.D., P.E.

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Education

Doctor of Philosophy, Civil Engineering-Transportation Texas A&M University	2012
Master of Science, Transportation Planning & Management Texas Southern University	2007
Master of Science, Civil Engineering Tarbiat Modarres University	2001
Bachelor of Science, Civil Engineering University of Sistan & Baluchestan	1997

Professional License

Registered Professional Engineer, State of Texas, No. 121565

Experience

- Texas Southern University, Department of Transportation Studies: Assistant Professor, 2018 – Present
- Texas Southern University, Department of Transportation Studies: Visiting Assistant Professor, 2015 – 2018
- Texas Southern University, NCF CREST Center: Research Associate, 2012 – 2015
- Texas A&M Transportation Institute (TTI), The Texas A&M University System: Graduate Assistant Researcher, 2007 – 2012
- Texas Southern University, Innovative Transportation Research Institute (ITRI): Graduate Research Assistant, 2005 – 2007
- Peysang Consulting Engineers Co.: Technical Project Manager, 2003 – 2005
- Peysang Consulting Engineers Co.: Head of Bids and Contracts Department, 2002 – 2005
- Manategh Technical & Construction Co.: Civil Engineer, 2001 - 2002
- Building & Housing Research Center (BHRC): Graduate Research Assistant, 1999 - 2001

Research Reports

- **Azimi, M.**, A. M. Aremu, Y. Qi. *Use of Vessel Automatic Information System Data to Improve Multimodal Transportation in and around Ports*. Research Report No. 7, Center for Advanced Multimodal Mobility Solutions and Education (Cammse), 2018.
- **Azimi, M.**, R. L. Cheu, I. Oyelade, A. M. Aremu, Y. Qi. *Identify Project Criteria for ITS Deployment in Work Zones*. Research Report No. 0-6915, Texas Department of Transportation (TxDOT), 2017.
- Chang, C. M., F. Qiao, I. N. Abdallah, **M. Azimi**, O. D. Gonzalez, M. Nabi, M. Khan, Q. Li, S. J. Ghadimi, N. Buhaya, S. Nazarian, L. Yu. *Quantification of the Impact of Roadway Conditions on Emissions*. Research Report No. 0-6808. Texas Department of Transportation (TxDOT), 2016.

- Tang, P., **M. Azimi**, F. Qiao, and L. Yu. *Advanced Eco-driving Strategies for Drivers and Automated Vehicles Traveling within Intersection Vicinities*. Research Report No. TransLIVE/TSU/16/02, 2016.
- **Azimi, M.**, H. G. Hawkins, Jr. *Automating the Process for Locating No-Passing Zones Using Georeferencing Data*. Research Report No. SWUTC/12/161102-1, Southwest Region University Transportation Center, 2012.
- Hawkins, Jr., H.G., A. Pike, and **M. Azimi**. *Evaluation of Traffic Control Devices: Fifth-Year Activities*. Research Report No. 0-4701-5. Texas Transportation Institute (TTI), College Station, TX, 2008.
- Yu, L., Y. Qi, **M. Azimi**, C. Guo, and L. Guo. *Left-Turn Lane Design and Operation*. Research Report No. 0-5290-1. Texas Department of Transportation (TxDOT), 2008.

Research Presentations

- *Analysis of Predicted Vessel Arrival Time to Multimodal Container Terminals in Lieu of Operator-Input ETA: A Case Study of the Port of Houston*. Transportation Research Board 98th Annual Meeting, Washington D.C., January 2019.
- *Determining the Accuracy of Vessels' Estimated Time of Arrival (ETA) in a Multimodal System*. US DOT CAMMSE University Transportation Center Research Symposium, Charlotte, NC, August 2018.
- *Roadway Related Truck Crash Risk Analysis: Case Studies in Texas*. Transportation Research Board 97th Annual Meeting, Washington, D.C., January 2018.
- *Dilemma Zone Driving Behavioral Analysis at Signalized Intersections Under Foggy Weather Condition with In-Vehicle Advanced Warning Message*. Transportation Research Board 96th Annual Meeting, Washington, D.C., January 2017.
- *Examining the Impact of Eco-driving Advising Strategies on Vehicle Emissions for Vehicles Traveling within Intersection Vicinities*. Transportation Research Board (TRB) 95th Annual Meeting, Washington, D.C., January 2016.
- *Emission Effects of real-Time Eco-Driving Strategies at Signalized Intersections with Consideration of Queue*. 28th ICTPA Annual Conference, Los Angeles, May 2015.
- *Pilot Test of Vehicular Emissions under Different Pavement Types in Houston*. 28th ICTPA Annual Conference, Los Angeles, May 2015.
- *Freight Movement by Heavy Duty Diesel Trucks Emission in Port of Houston Area*. 56th Annual Transportation Research Forum, Atlanta, GA, March 2015.
- *Emission Implications of Alternative Origin-Destination Routes: A Case Study in Houston, Texas*. Transportation Research Board (TRB) 94th Annual Meeting, Washington, D.C., January 2015.
- *Vehicle Emission Analysis at Restaurant Drive-Through Facilities with Different Configurations*. The Seventh International Conference on Environmental Science and Technology, The American Academy of Science, Houston, TX, June 2014.
- *Impacts of Restaurant Drive-Through Configurations on Vehicle Emissions*. Transportation Research Board (TRB) 93rd Annual Meeting, Washington, D.C., January 2014.
- *Safety Impacts of Increasing Lengths of Left-Turn Lanes*. Transportation Research Board (TRB) 92nd Annual Meeting, Washington, D.C., January 2013.
- *Evaluation of Available Horizontal Sight Distance of Two-Lane Highways from Geometry of Travel Lane Centerline*. Transportation Research Board (TRB) 91st Annual Meeting, Washington, D.C., January 2012.
- *Automating the Process for Locating No-Passing Zones Using Georeferencing Data*. Transportation Research Board (TRB) 91st Annual Meeting, Washington, D.C., January 2012.
- *Managing Congestion through Innovative Financing – Equity Issue*. 3rd Civil Engineering Student Research Symposium (CESRS), Texas A&M University, November 2010.

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- *Comparison of Different Left-Turn Alternatives*. TexITE (Texas District ITE) Summer Meeting, Sugarland, TX, June 2010.
 - *Level of Service Criteria for Oversaturated Traffic Condition on Freeway Corridors*. TexITE (Texas District ITE) Winter Meeting, Frisco, TX, January 2010.
 - *Categorizing Freeway Flow Conditions Using Clustering Methods*. Transportation Research Board (TRB) 89th Annual Meeting, Washington, D.C., January 2010.

Honors and Awards

- Research Week Poster Presentation Award, Texas Southern University, 2015 (competitively selected university award)
- TTI/Trinity Outstanding Doctoral Student Award, Texas A&M Transportation Institute (TTI), 2012 (competitively selected institute award)
- Institute of Transportation Engineers (ITE) Student Paper – Texas District Award, 2011 (competitively selected state award)
- Keese-Wootan Transportation Fellowship, 2011 (competitively selected institute award)
- International Road Federation (IRF) Fellowship, 2011 (competitively selected national award)
- Richard T Lietz '45 Endowed Memorial Scholarship, 2010 (competitively selected university award)
- College of Science and Technology Outstanding Alumni, 2009 (selected by the Department of Transportation Studies at Texas Southern University)
- Institute of Transportation Engineers (ITE) Outstanding Student, 2007 (competitively selected university chapter award)
- Civil Engineering Department Head Fellowship, Texas A&M University, 2007 (competitively selected departmental award)
- NIOC full Scholarship for Graduate Study in Project Management at the University of Calgary, Canada, 2005 (competitively selected national award)

Professional Affiliations

- American Society of Civil Engineers (ASCE)
- International Association of Maritime & Port Executives (IAMPE)
- Institute of Transportation Engineers (ITE)
- International Road Federation (IRF)

Training and Professional Development Activities

- Data Literacy for a STEAM Curriculum Workshop, Center for Accelerating Operational Efficiency (CAOE), Arizona State University, AZ, June 2018
- Get SMART! Impact Workshop organized by Southeast Maritime and Transportation Center (SMART), Galveston, TX, May 2017 (3-day professional education provided core concepts and materials needed to develop or expand academic courses and pathways that would enable students to enter the maritime and transportation industry)
- Visual Analytics MSI Faculty Training Workshop organized by DHS VACCINE Center, Prairie View A&M University, Prairie View, TX, June 2017
- CPE Certified Port Executive Program held by MacDonnell authorized by the Engineering Institute of Canada, Houston, TX, November 2015 (5-day professional education related to maritime transportation systems and operations of ports, vessels and marine terminals)
- Bulk Liquid Terminal Operator Workshop by Houston Harbor Pilots, Houston, TX, May 2015
- Visual Analytics MSI Faculty Training Workshop organized by DHS VACCINE Center, Bethune-Cookman University, Daytona Beach, FL, June 2015

- Brownwater University certificate by the Lone Star Harbor Safety Committee and the U.S. Coast Guard, Houston, TX, March 2015
- Training Course on MOVES2010b held by the U.S. Environmental Protection Agency (EPA), Ann Arbor, MI, September 2013
- Graduate Teaching Academy (GTA) Certificate (completed one academic year of teaching skills development in the Academy for Future Faculty Teaching Certificate Program), Texas A&M University, February 2010-May 2011